



11/10

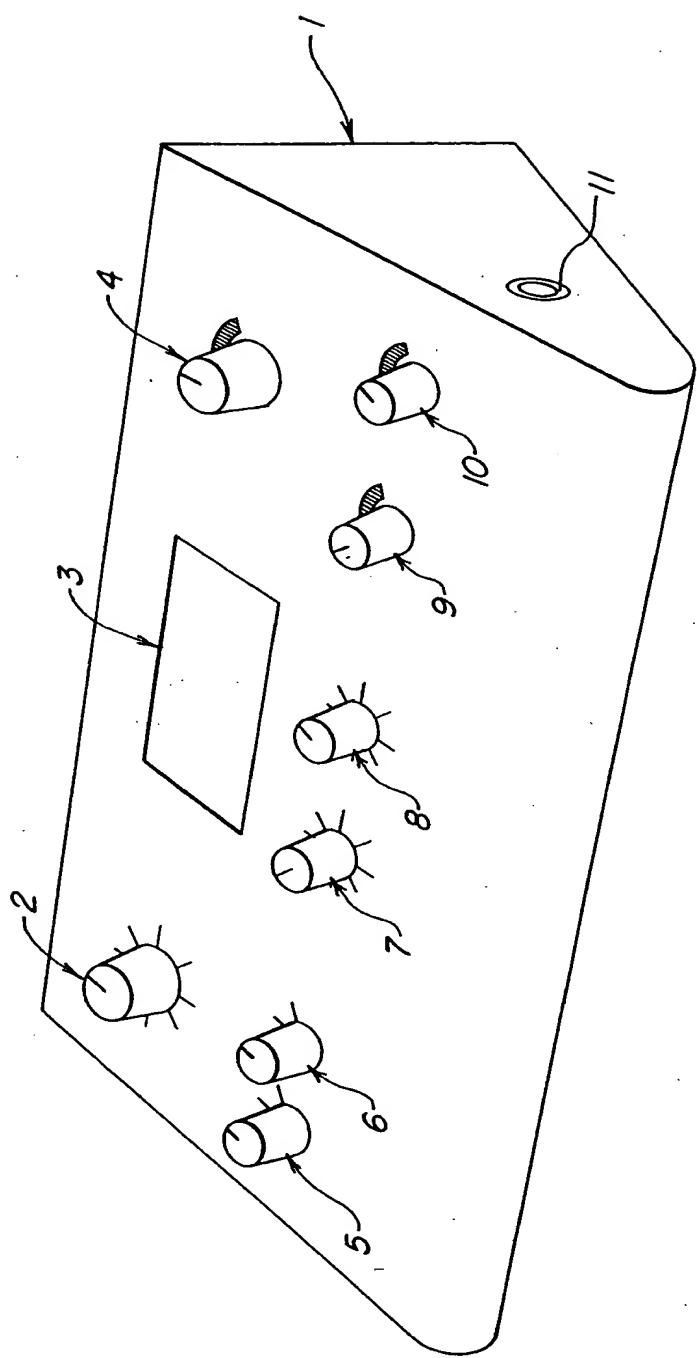
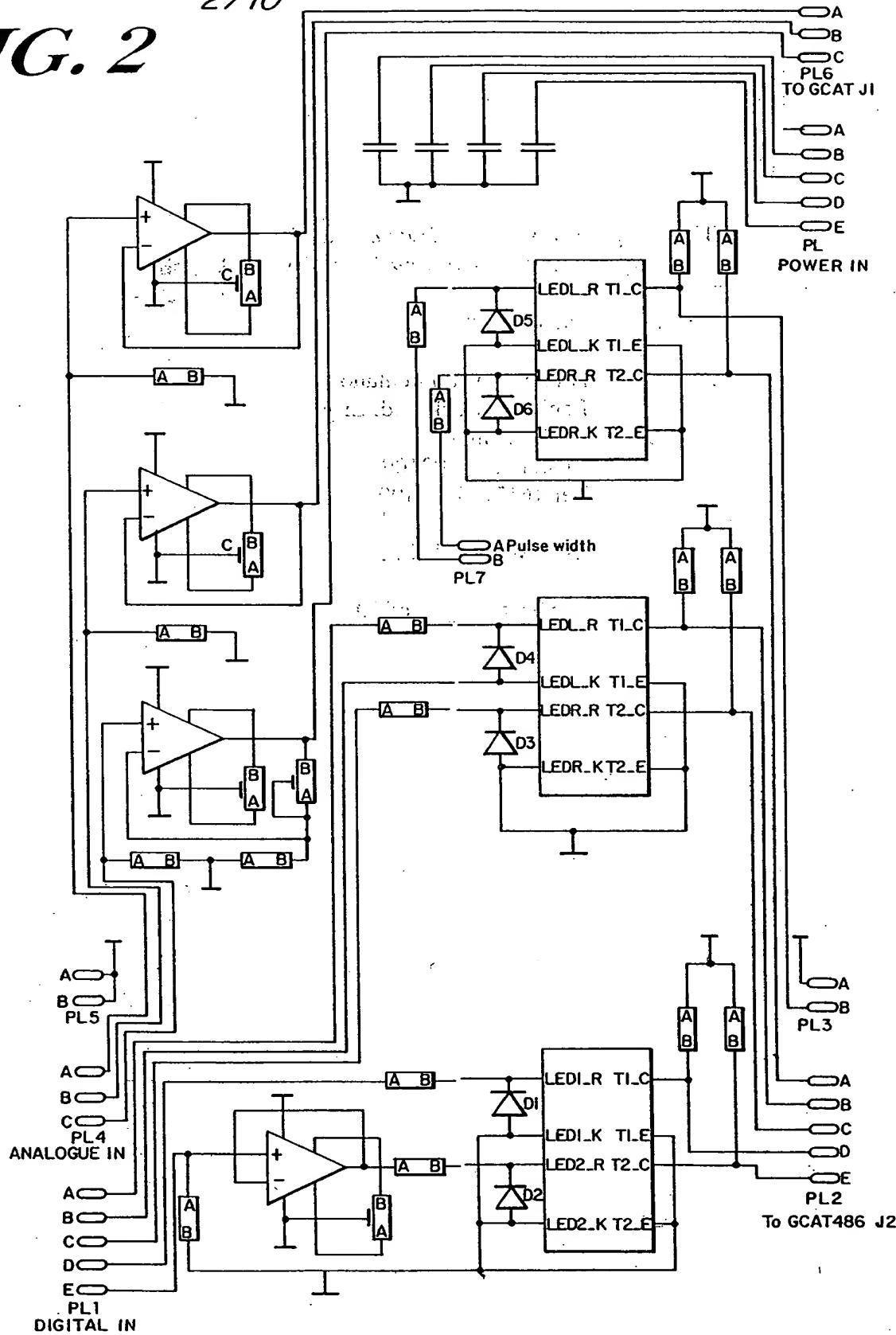


FIG. 1



2/10

FIG. 2



3 / 10

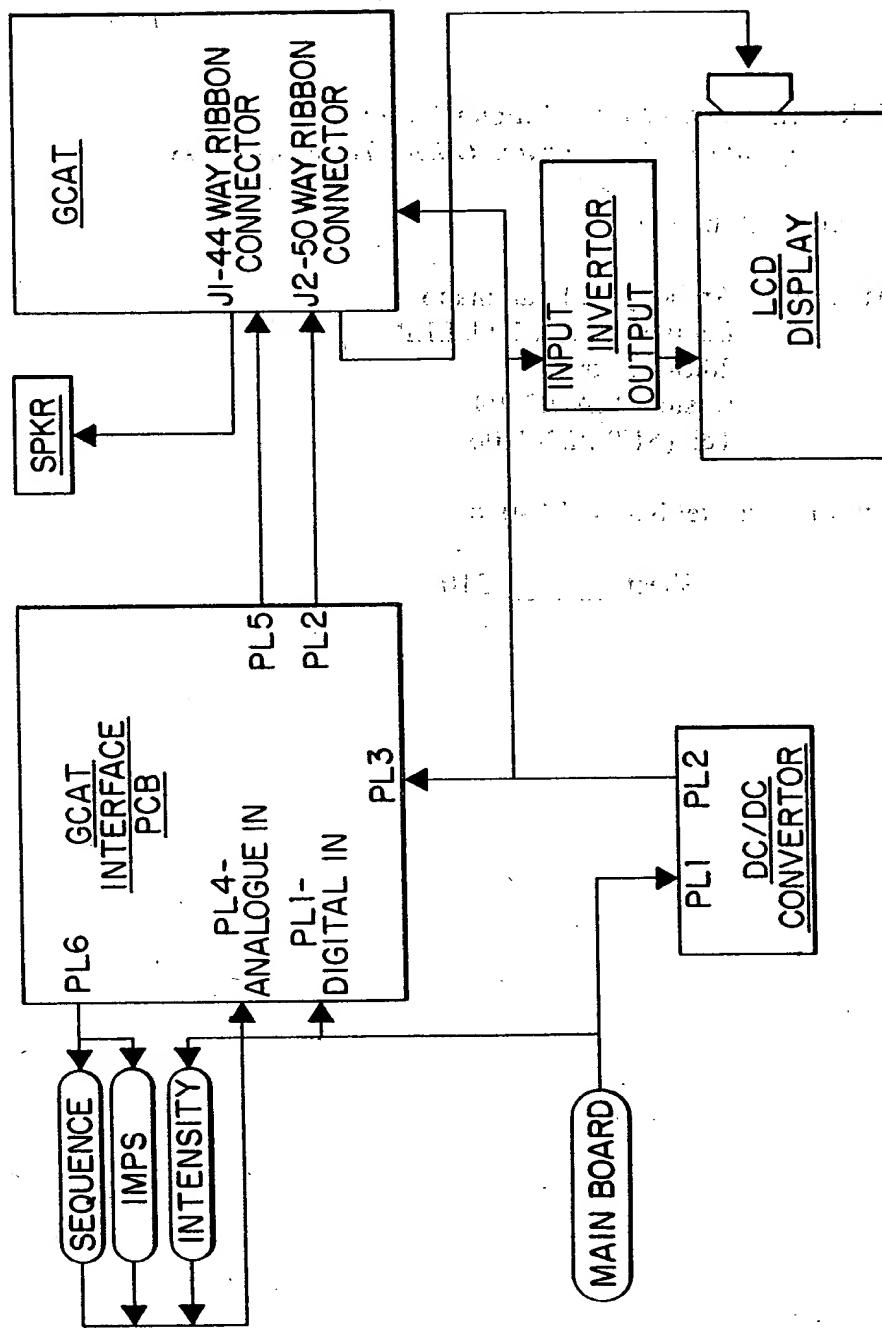


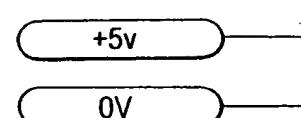
FIG. 3A

O P J C 158
REV 1.2 2002
PATENT & TRADEMARK OFFICE

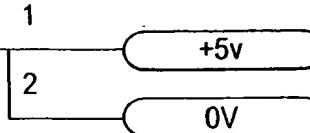
09825618 , 1.1.1202

4/10

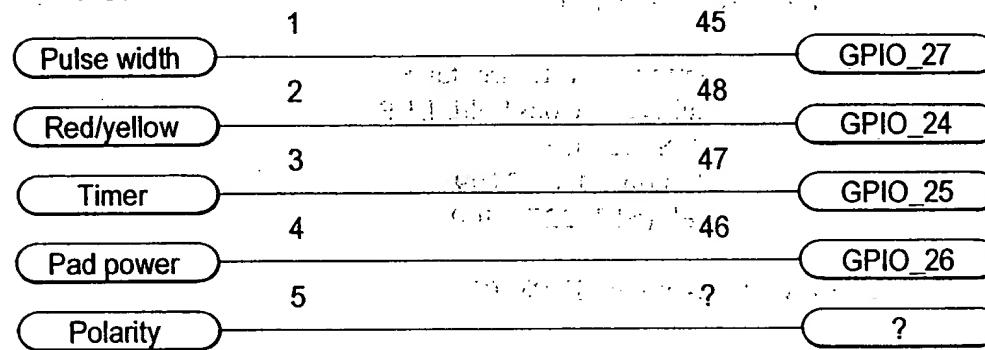
MAIN BOARD
PCB



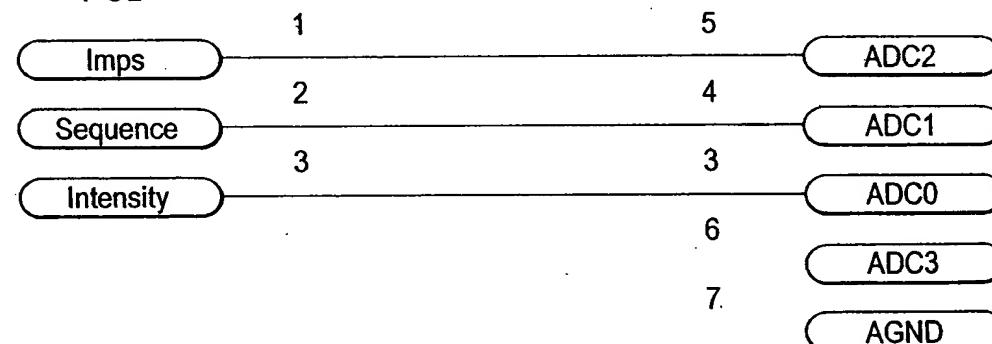
PL1
DC/DC
CONVERTER



PL2
INTERFACE
PCB



PL5
INTERFACE
PCB



SPEAKER

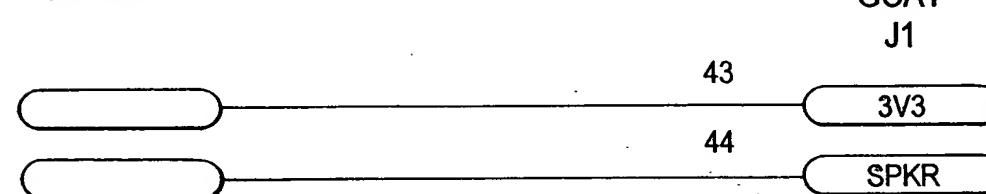
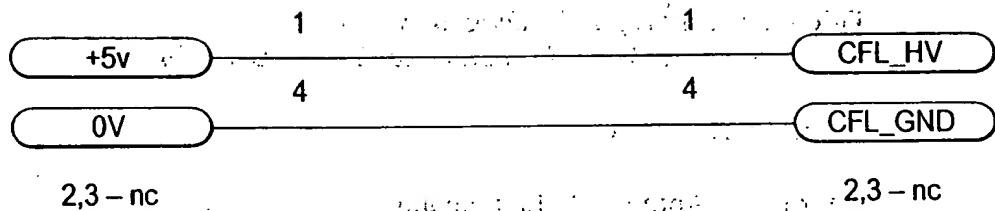


FIG. 3B

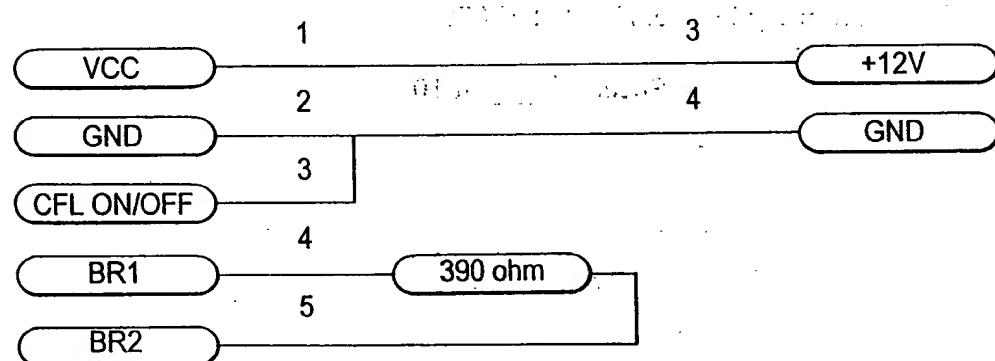
5 / 10

INVERTER
PCB



LCD
DISPLAY

INVERTER
PCB



DC/DC
CONVERTER
PL2

FIG. 3C

6 / 10



**PL3
INTERFACE
PCB**

| | |
|---|------|
| 1 | 0V |
| 2 | 3V3 |
| 3 | +5V |
| 4 | +12V |
| 5 | -12V |

**PL2
DC/DC
CONVERTER**

| | |
|---|------|
| 1 | 3V3 |
| 2 | -12V |
| 3 | +12V |
| 4 | 0V |

**PL1
INTERFACE PCB**

| | | |
|---|-------------|------------|
| 1 | Red/yellow | Orange |
| 2 | Read/yellow | Red |
| 3 | Timer | White |
| 4 | Pad power | Green |
| 5 | Polarity | Pink |
| | | White(dsp) |

**PL4
INTERFACE
PCB**

| | |
|---|-----------|
| 1 | Imps |
| 2 | Sequence |
| 3 | Intensity |

**PL6
INTERFACE
PCB**

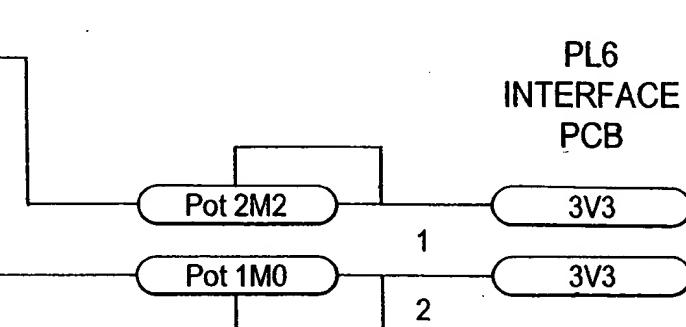


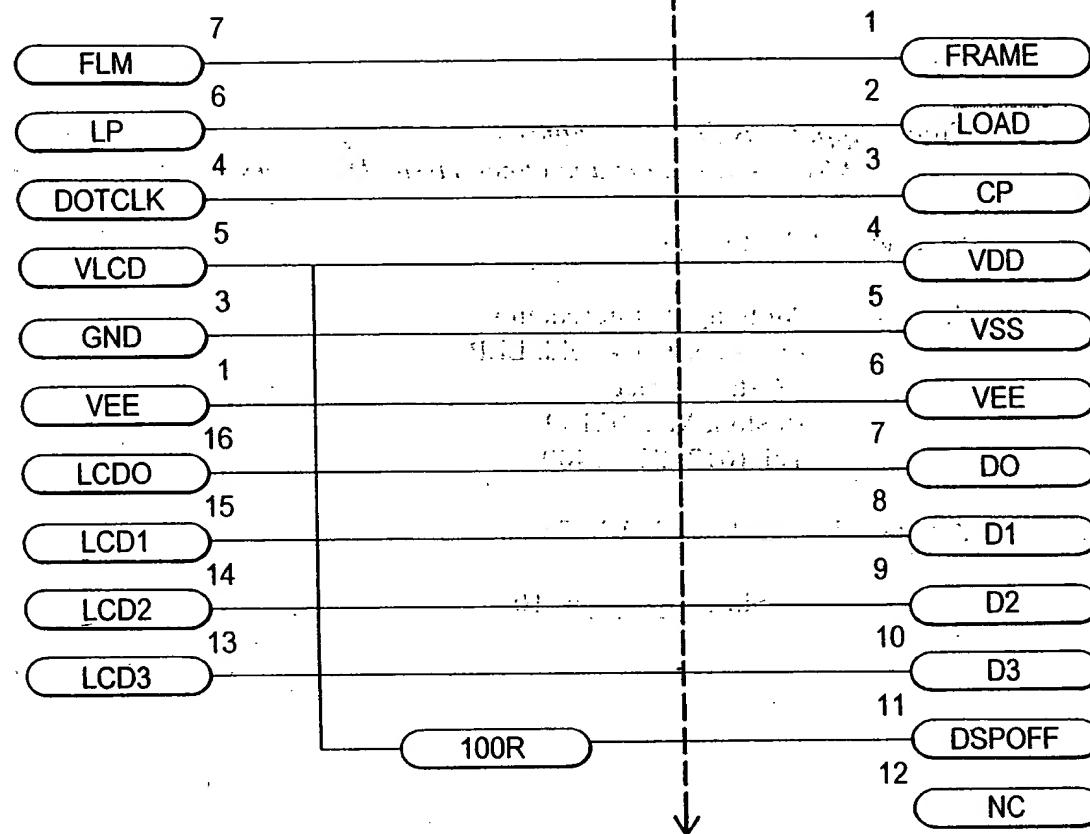
FIG. 3D

7/10

GCAT
J2

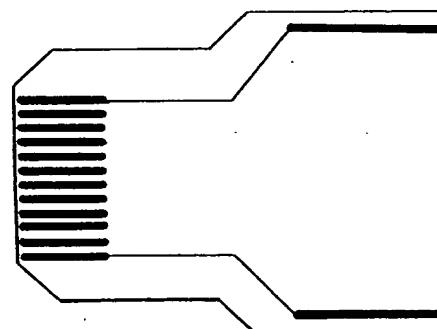
ITRON
FLEXICOMBO

LCD
DISPLAY



ICD
CONNECTOR

RIBBON CABLE
SOLDERED
CONNECTION

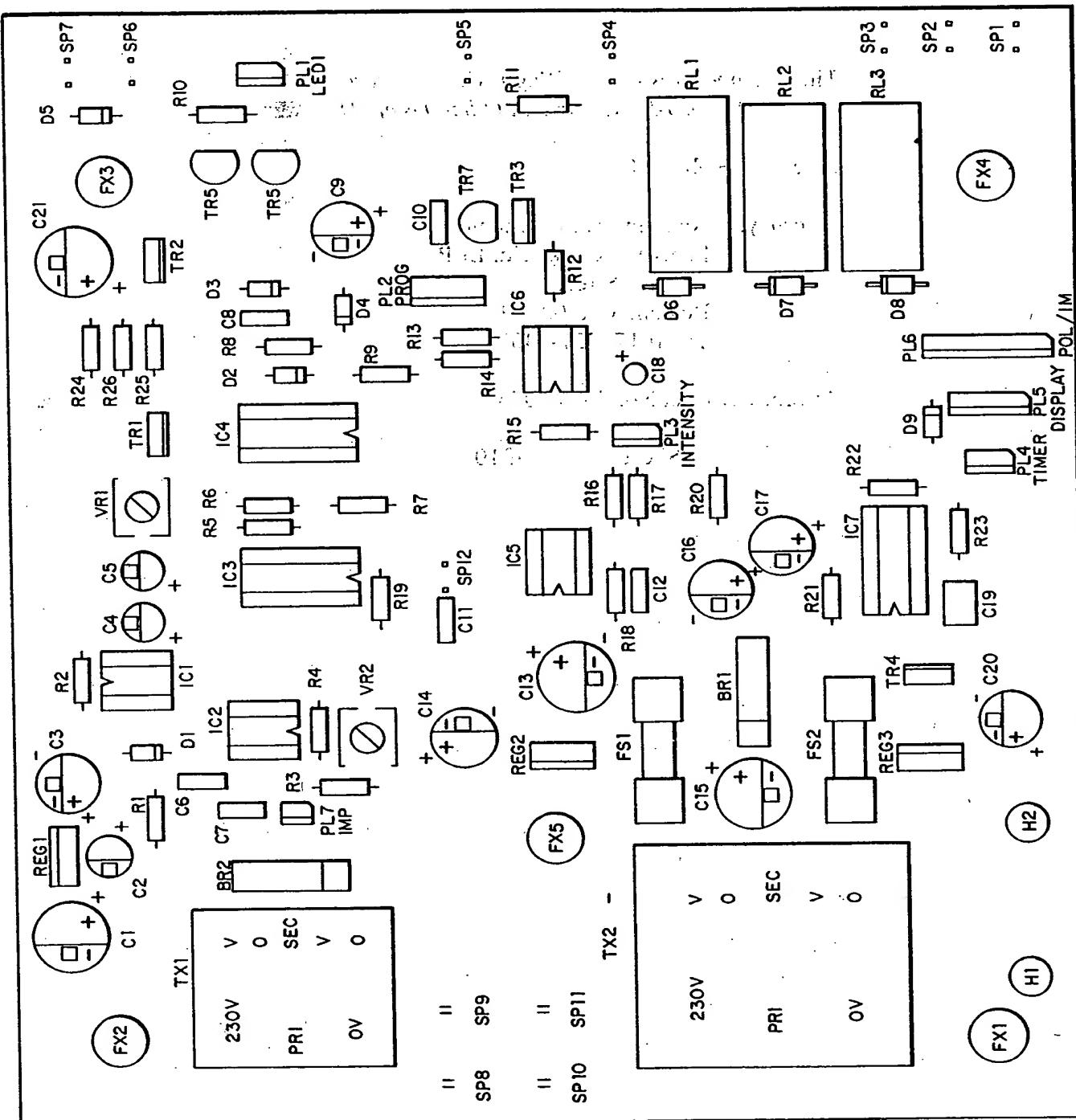


ITRON FLEXICOMBO

FIG. 3E



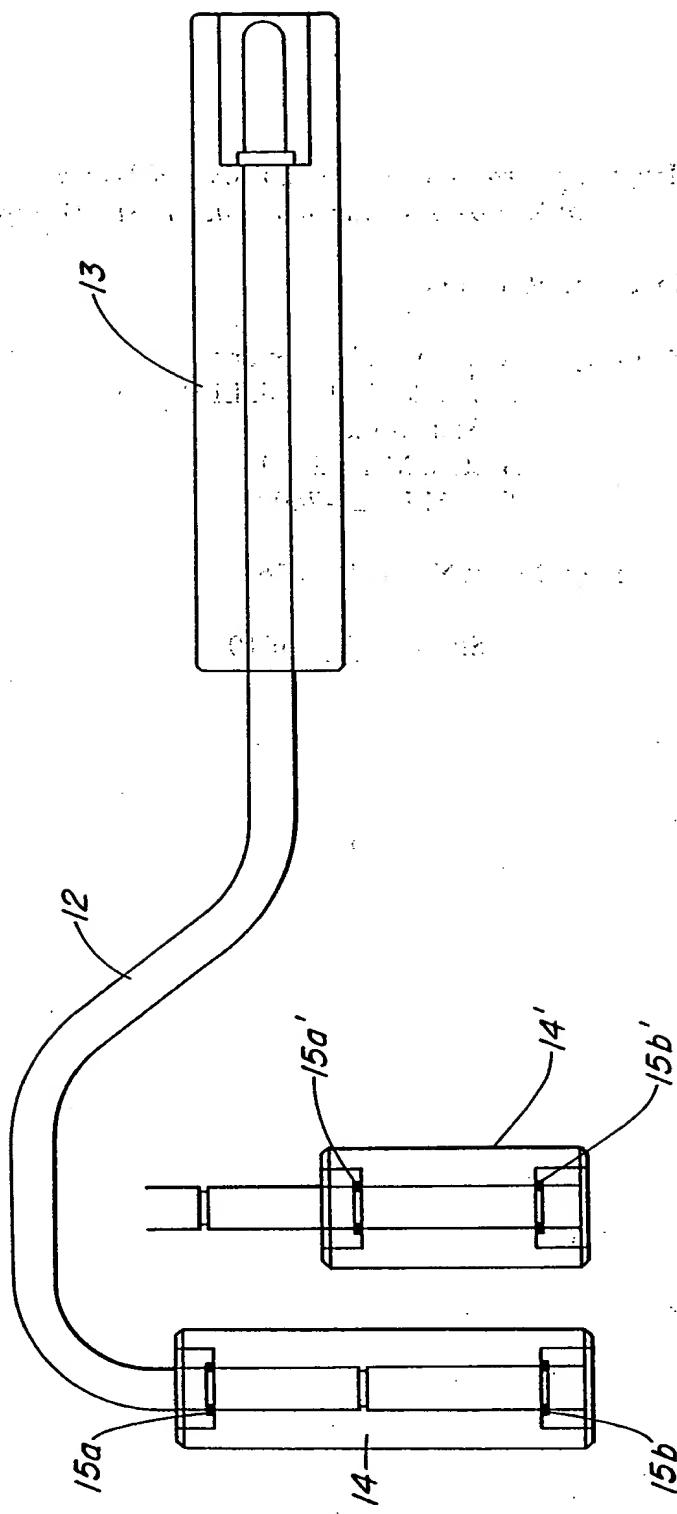
8/10

FIG.
4



9/10

FIG. 5





10/10

FIG. 6

